Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A file processing device for recording a file which has a format in which a plurality of real data are allocated and is formed of an real data block, in which the real data are integrated, and a management information block, in which a plurality of management information of the real data including at least information necessary to reproduce the real data allocated to the real data block are integrated in a hierarchical structure, on a recording medium, wherein:

the real data block is recorded on the recording medium by intermittently reserving initial regions composed of free-space regions on the recording medium and recording, in the real data block, management information of the initial regions regarding allocation to the real data for managing each of the initial regions after the real data are recorded; and

the management information block is recorded on the recording medium by recording a lower hierarchical block of management information corresponding to each of the real data and a lower hierarchical block composed of management information regarding the free-space regions in the initial regions which correspond to the above lower hierarchical block.

Claim 2 (currently amended): A file processing device according to claim 1, wherein the initial regions are managed based on the management information of the initial regions regarding the allocation to the a real data side and on the management information by the lower hierarchical block that belongs to the initial regions.

Claim 3 (currently amended): A file processing device according to claim 31, wherein:

desired data is recorded in the initial regions while the initial regions are managed; and

the management information of the initial regions regarding the allocation to the real data side and the management information of the lower hierarchical block regarding the free-space regions are updated in response to the record of the desired data as well as the lower hierarchical

block corresponding to the record of the desired data is formed to the management information block.

Claim 4 (original):   A file processing device according to claim 3, wherein whether or not other data can be further recorded in the initial regions is determined by managing the initial regions.

Claim 5 (original):   A file processing device according to claim 3, wherein other data is further recorded in the initial regions by managing the initial regions.

Claim 6 (currently amended): A file processing device according to claim 5, wherein other data recorded in the initial regions is recorded in the free-space regions of the initial regions.

Claim 7 (original):   A file processing device according to claim 5, wherein other data recorded in the initial regions is recorded by overwriting data recorded in the initial regions.

Claim 8 (original):   A file processing device according to claim 3, wherein whether or not data recorded in the initial regions can be deleted is determined by managing the initial regions.

Claim 9 (original):   A file processing device according to claim 3, wherein:

the data recorded in the initial regions is deleted from the real data block by managing the initial regions; and

the management information of the initial regions regarding the allocation to the real data side and the lower hierarchical block of the management information regarding the free-space regions are updated as well as a lower hierarchical block of management information regarding the delete is deleted in response to the delete.

Claim 10 (original):   A file processing device according to claim 1, wherein the initial regions are regions in which sound data for post recording is recorded.

Claim 11 (original):   A file processing device according to claim 1, wherein the management information have an identifier for specifying data recorded in the initial regions.

Claim 12 (original):   A file processing device according to claim 1, wherein the management information have information for showing the number of files that refer to data recorded in the initial regions.

Claim 13 (original):   A file processing device according to claim 1, wherein the management information have information for showing sizes of the space regions in the initial regions.

Claim 14 (currently amended):   A file processing device for recording a file which is formed of an real data block, in which a plurality of real data are integrated, and a management information block, in which a plurality of management information of the real data including at least information necessary to reproduce the real data allocated to the real data block are integrated in a hierarchical structure, on a recording medium, wherein the real data block is recorded on the recording medium by sequentially, cyclically, and repeatedly recording the plurality of real data as well as by recording, in the real data block, management information regarding allocation to the a real data side for managing predetermined real data continuously recorded on the recording medium.

Claim 15 (original):   A file processing device according to claim 14, wherein the management information is information for specifying the predetermined real data.

Claim 16 (currently amended):   A file processing method of recording a file which has a format in which a plurality of real data are allocated and is formed of an real data block, in which the real data are integrated, and a management information block, in which a plurality of

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management information of the real data including at least information necessary to reproduce the real data allocated to the real data block are integrated in a hierarchical structure, on a recording medium, comprising:

recording the real data block on the recording medium by intermittently reserving initial regions composed of free-space regions on the recording medium and recording, in the real data block, management information of the initial regions regarding allocation to the real data for managing each of the initial regions after the real data are recorded; and

recording the management information block on the recording medium by recording a lower hierarchical block of management information corresponding to each of the real data and a lower hierarchical block composed of management information regarding the free-space regions in the initial regions which correspond to the above lower hierarchical block.

Claim 17 (currently amended):   A file processing ~~device~~ method according to claim 16, comprising:

recording desired data in the initial regions by managing the initial regions based on the management information of the initial regions regarding the allocation to ~~the~~ a real data side and on the management information by the lower hierarchical block that belongs to the initial regions; and

updating the management information of the initial regions regarding the allocation to the real data side and the management information of the lower hierarchical block regarding the free-space regions in response to the record of the desired data as well as forming the lower hierarchical block corresponding to the record of the desired data to the management information block.

Claim 18 (currently amended):   A file processing method of recording a file formed of ~~an~~ real data block, in which a plurality of real data are integrated, and a management information block, in which a plurality of management information of the real data including at least information necessary to reproduce the real data allocated to the real data block are integrated in a hierarchical structure, on a recording medium, comprising recording the real data block on the recording medium by sequentially, cyclically, and repeatedly recording the plurality

of real data as well as by recording, in the real data block, management information regarding allocation to ~~the~~ a real data side for managing predetermined real data continuously recorded on the recording medium.

Claim 19 (currently amended):   A computer readable program, stored on a computer readable medium, for recording ~~A program of a file processing method of recording~~ a file which has a format in which a plurality of real data are allocated and is formed of an real data block, in which the real data are integrated, and a management information block, in which a plurality of management information of the real data including at least information necessary to reproduce the real data allocated to the real data block are integrated in a hierarchical structure, said computer readable program structured to cause an apparatus to:~~ on a recording medium by causing a computer to carry out a predetermined processing procedure, wherein the processing procedure comprises:~~

~~a step of recording~~record the real data block on the recording medium by intermittently reserving initial regions composed of free-space regions on the recording medium and recording, in the real data block, management information of the initial regions regarding allocation to the real data for managing each of the initial regions after the real data are recorded; and

~~a step of recording~~record the management information block on the recording medium by recording a lower hierarchical block of management information corresponding to each of the real data and a lower hierarchical block composed of management information regarding the free-space regions in the initial regions which correspond to the above lower hierarchical block.

Claim 20 (currently amended):   ~~A program of a file processing method of~~ A computer readable program, stored on a computer readable medium, for recording a file formed of an real data block, in which a plurality of real data are integrated, and a management information block, in which a plurality of management information of the real data including at

least information necessary to reproduce the real data allocated to the real data block are integrated in a hierarchical structure, said computer readable program structured to cause an apparatus to:on a recording medium by causing a computer to carry out a predetermined processing procedure, wherein the processing procedure comprises: a step of recording record the real data block on the recording medium by sequentially, cyclically, and repeatedly recording the plurality of real data as well as by recording, in the real data block, management information regarding allocation to the real data side for managing predetermined real data continuously recorded on the recording medium.

Claim 21 (currently amended): A recording medium having a program of a file processing method recorded thereon to record A computer readable medium storing a computer readable program for recording a file which has a format in which a plurality of real data are allocated and is formed of an real data block, in which the real data are integrated, and a management information block, in which a plurality of management information of the real data including at least information necessary to reproduce the real data allocated to the real data block are integrated in a hierarchical structure, said computer readable program structured to cause an apparatus to:on the recording medium by causing a computer to carry out a predetermined processing procedure, wherein the processing procedure comprises:

a step of recordingrecord the real data block on the-a recording medium by intermittently reserving initial regions composed of free-space regions on the recording medium and recording, in the real data block, management information of the initial regions regarding allocation to the real data for managing each of the initial regions after the real data are recorded; and

a step of recordingrecord the management information block on the recording medium by recording a lower hierarchical block of management information corresponding to each of the real data and a lower hierarchical block composed of management information regarding the free-space regions in the initial regions which correspond to the above lower hierarchical block.

Claim 22 (currently amended): A computer readable medium storing a computer readable program for recording A recording medium having a program of a file processing

~~method recorded thereon to record~~ a file formed of ~~an~~ real data block, in which a plurality of real data are integrated, and a management information block, in which a plurality of management information of the real data including at least information necessary to reproduce the real data allocated to the real data block are integrated in a hierarchical structure, <u>said computer readable program structured to cause an apparatus to:</u>~~on the recording medium by causing a computer to carry out a predetermined processing procedure, wherein the processing procedure comprises a step of recording~~

<u>record</u> the real data block on ~~the~~ <u>a</u> recording medium by sequentially, cyclically, and repeatedly recording the plurality of real data as well as by recording<u>, in the real data block,</u> management information regarding allocation to ~~the~~ <u>a</u> real data side for managing predetermined real data continuously recorded on the recording medium.

Claim 23 (currently amended):   An imaging device for recording real data composed of video data and sound data obtained as a result of imaging on a recording medium, wherein the real data composed of the video data and the sound data are recorded on the recording medium by:

recording ~~an~~ real data block in which the real data are integrated on the recording medium by intermittently reserving initial regions composed of free-space regions on the recording medium and recording<u>, in the real data block,</u> management information of the initial regions regarding allocation to the real data for managing each of the initial regions after the real data are recorded; and

subsequently recording a block, which has a hierarchical structure and includes management information necessary to process the video data, the sound data, and the initial regions, on the recording medium by allocating management information, which corresponds the video data, the sound data, and the initial regions, respectively, to a lower hierarchical block.

Claim 24 (currently amended):   ~~A recording medium having~~ <u>A computer readable medium structured to store</u> a file which is recorded thereon and formed of an real data block, in which a plurality of real data are integrated, and a management information block, in which a plurality of management information of the real data including at least information necessary to

reproduce the real data allocated to the real data block are integrated in a hierarchical structure, wherein an apparatus records the real data block is recorded on the recording computer readable medium by sequentially, cyclically, and repeatedly recording the plurality of real data as well as by recording, in the real data block, management information regarding allocation to the a real data side for managing predetermined real data continuously recorded on the recording computer readable medium.

Claim 25 (new):   A file processing device according to claim 1, wherein the real data block and the management information block are at the same hierarchal level.

Claim 26 (new):   A file processing device according to claim 14, wherein the real data block and the management information block are at the same hierarchal level.